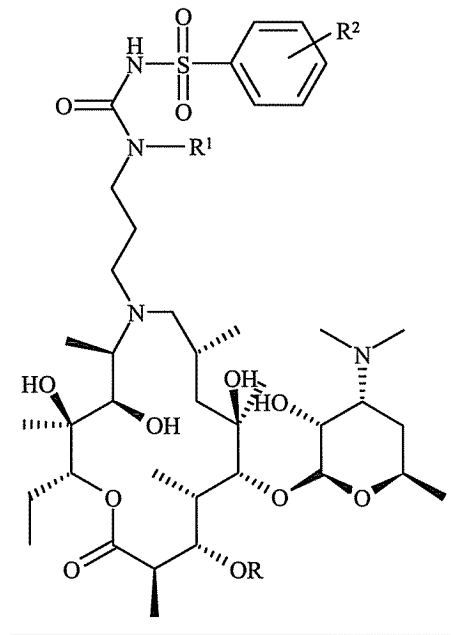


## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### CLAIMS

1. (Currently amended) ~~Substituted 9a-N-[N'(benzenesulfonyl)carbamoyl]-Y-aminopropyl] and 9a-N-[N'(β-cyanoethyl)-N'(benzenesulfonyl)-γ-aminopropyl] derivatives of 9-deoxo-9-dihydro-9a-aza-9a-homoerithromycin A and 5-O-desosaminyl-9-deoxo-9-dihydro-9a-aza-homoerithronolide A, novel semisynthetic macrolide antibiotics of the azalide series having antibacterial action of the general formula 1, 1- A compound of formula 1~~



wherein R represents H or cladinosyl moiety group, R<sup>1</sup> represents H or (β-cyanoethyl β-cyanoethyl moiety group and R<sup>2</sup> represents a substituent selected from the group consisting of H, or fluoro, chloro and methyl group, and or a pharmaceutically acceptable addition salts salt thereof.

2. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group and  $R_1 = R_2$   $R^1$  and  $R^2$  represent H.
3. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group,  $R_1$   $R^1$  represents H and  $R_2$   $R^2$  represents 4-chloro group.
4. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group,  $R_1$   $R^1$  represents H and  $R_2$   $R^2$  represents 2-chloro group.
5. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group,  $R_1$   $R^1$  represents H and  $R^2$  represents 4-fluoro group.
6. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group,  $R_1$   $R^1$  represents H and  $R_2$   $R^2$  represents 4-methyl group.
7. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group,  $R_1$   $R^1$  represents H and  $R_2$   $R^2$  represents 2-methyl group.
8. (Currently amended) Substance A compound according to claim 1, characterized in that  $R = R' = R_2$  represent R,  $R^1$  and  $R^2$  represent H.
9. (Currently amended) Substance A compound according to claim 1, characterized in that  $R = R_1$  R and  $R^1$  represent H and  $R_2$   $R^2$  represents 4-chloro group.
10. (Currently amended) Substance A compound according to claim 1, characterized in that  $R = R_1$  R and  $R^1$  represent H and  $R_2$   $R^2$  represents 2-chloro group.
11. (Currently amended) Substance A compound according to claim 1, characterized in that  $R = R_1$  R and  $R^1$  represent H, and  $R_2$   $R^2$  represents 4-fluoro group.
12. (Currently amended) Substance A compound according to claim 1, characterized in that  $R = R_1$  R and  $R^1$  represent H, and  $R_2$   $R^2$  represents 4-methyl group.
13. (Currently amended) Substance A compound according to claim 1, characterized in that  $R = R'$  represent R and  $R^1$  represent H, and  $R_2$   $R^2$  represents 2-methyl group.
14. (Currently amended) Substance A compound according to claim 1, characterized in that R represents cladinosyl group,  $R_1$   $R^1$  represents ~~(3-cyanoethyl)~~  $\beta$ -cyanoethyl group and  $R_2$   $R^2$  represents H.

15. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents cladinosyl group, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~p-cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 4-chloro group.

16. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents cladinosyl group, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~p-cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 2-chloro group.

17. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents cladinosyl group, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~p-cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 4-fluoro group.

18. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents cladinosyl group, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~p-cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 4-methyl group.

19. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents cladinosyl group, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~p-cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 2-methyl group.

20. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R and R<sup>2</sup> represent H, and ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~p-cyanoethyl~~ β-cyanoethyl group.

21. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents H, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~—cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 4-chloro group.

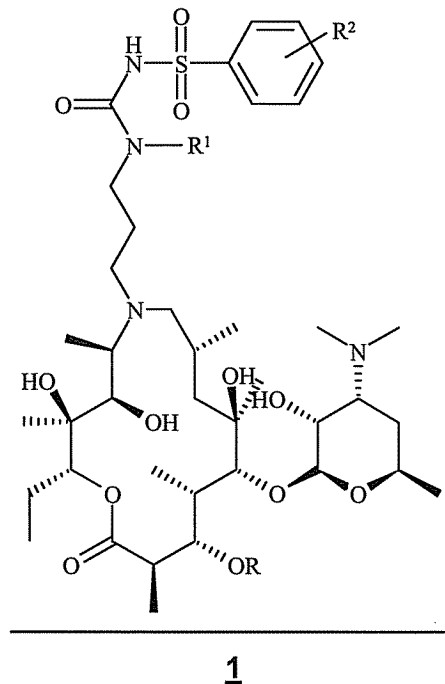
22. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents H, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~—cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 2-chloro group.

23. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents H, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~—cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 4-fluoro group.

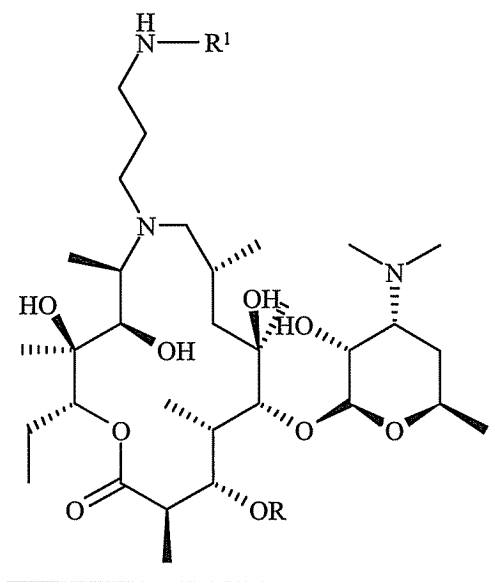
24. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents H, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~—cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 4-methyl group.

25. (Currently amended) ~~Substance~~ A compound according to claim 1, characterized in that R represents H, ~~R<sub>1</sub>~~ R<sup>1</sup> represents ~~—cyanoethyl~~ β-cyanoethyl group, and ~~R<sub>2</sub>~~ R<sup>2</sup> represents 2-methyl group.

26. (Currently amended) A process for the preparation of 9a-N-  
~~[N'(benzenesulfonyl)carbamoyl]-γ-aminopropyl]~~ and 9a-N-[N'(P-cyanoethyl)-N'  
 (benzenesulfonyl)-carbamoyl-γ-aminopropyl] derivatives of 9-deoxy-9-dihydro-9a-  
 aza-9a-homoerithromycin A and 5-O-desosaminy-9-deoxy-9-dihydro-9a-aza-9a-  
 homoerithronolide A of the general formula 1, 1 a compound of formula 1,

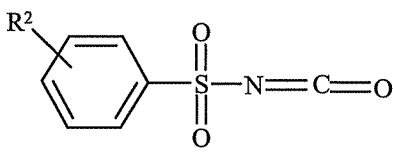


wherein R represents H or cladinosyl group, R<sup>1</sup> represents H or p-cyanoethyl  
 β-cyanoethyl group, and R<sup>2</sup> represents a substituent selected from the group  
consisting of H, fluoro or chloro and methyl group, characterized in that  
~~comprising 9a-N-(γ-aminopropyl) and 9a-N-[N'(P-cyanoethyl)-γ-~~  
~~aminopropyl] derivatives of 9-deoxy-9-dihydro-9a-aza-9a-homoerithromycin A~~  
~~and 5-O-desosaminy-9-deoxy-9-dihydro-9a-aza-9a-homoerithronolide A of the~~  
~~general formula 2 comprising reacting a compound of formula 2,~~



2

wherein R represents H or cladinosyl group and R<sup>1</sup> represents H or β-cyanoethyl group is reacted with substituted phenylsulfonylisocyanate ~~general formula 3-3 of~~ formula 3



3

wherein ~~R2~~ R<sup>2</sup> represents H, chloro, fluoro ~~and~~ or methyl group, in toluene, xylene or some other aprotic solvents, at a temperature 0°-110°C to form a compound of formula 1 wherein R represents H or cladinosyl group, R<sup>1</sup> represents H or β-cyanoethyl group, and R<sup>2</sup> represents a substituent selected from the group consisting of H, fluoro, chloro and methyl group, and then, if appropriate, to a reaction with inorganic or organic acids.

27. (Currently amended) A Pharmaceutical composition comprising a pharmaceutically acceptable carrier and an antibacterially effective amount of ~~the substances~~ a compound according to claim 1.

28. Cancelled

29. (New) A method for inhibiting bacterial growth in vitro on a surface or in a substance comprising applying to said surface or substance a bactericially effective amount of a compound according to claim 1.
30. (New) The method of claim 29 wherein the surface is selected from the group consisting of a wall, a room, and a medical instrument.
31. (New) The method of claim 29 wherein the substance is selected from the group of wall coatings and wooden coatings.